

PIPE

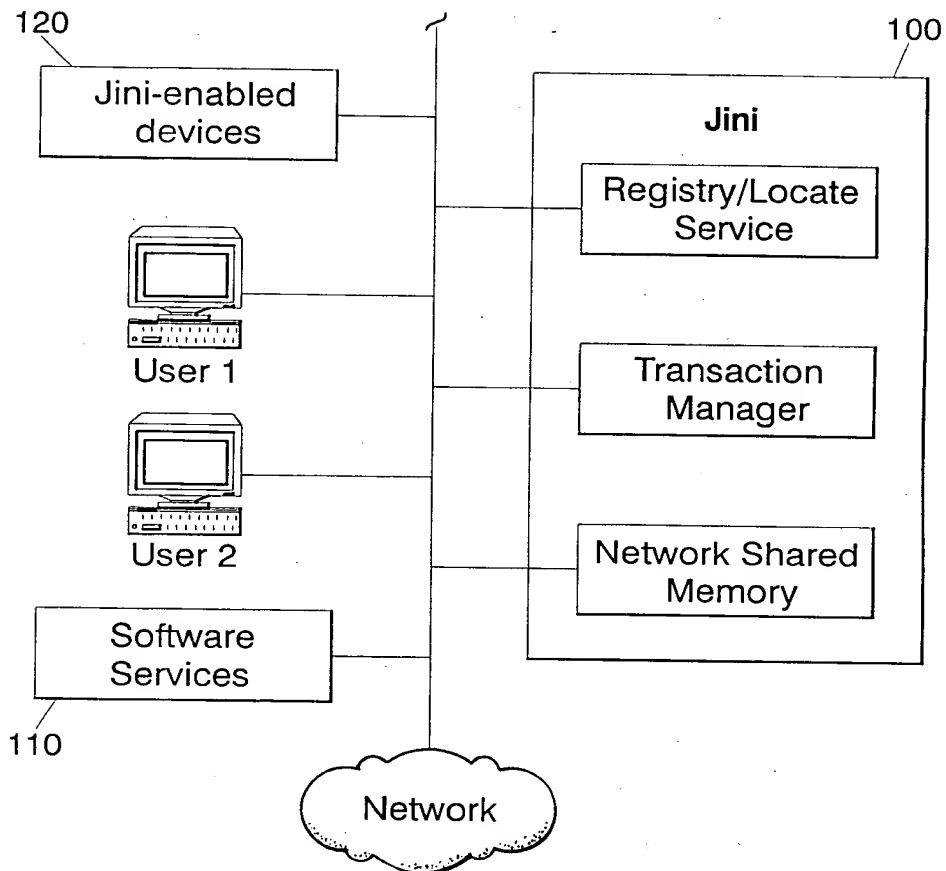
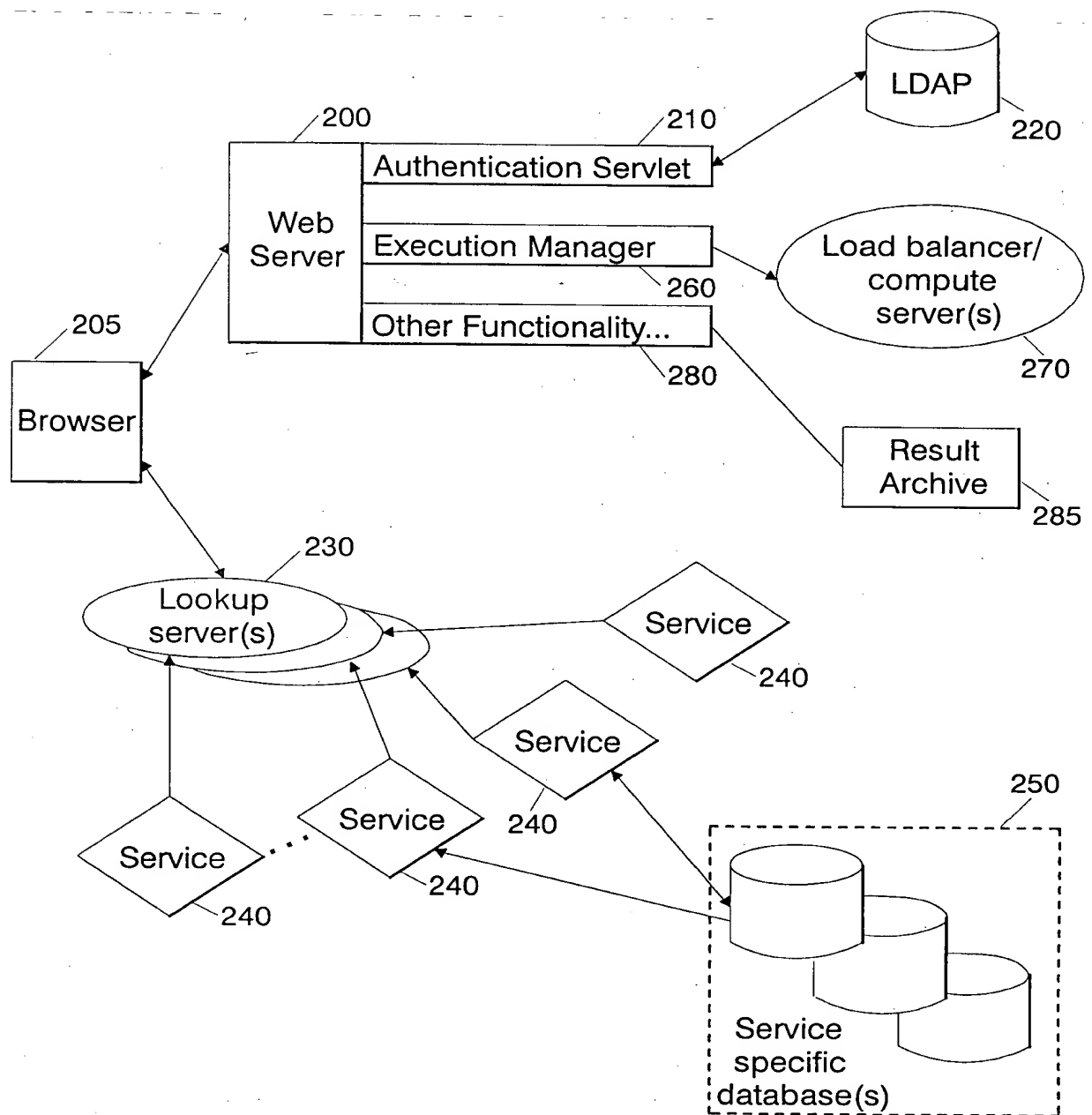


FIG. 1
(Prior Art)

**FIG. 2**

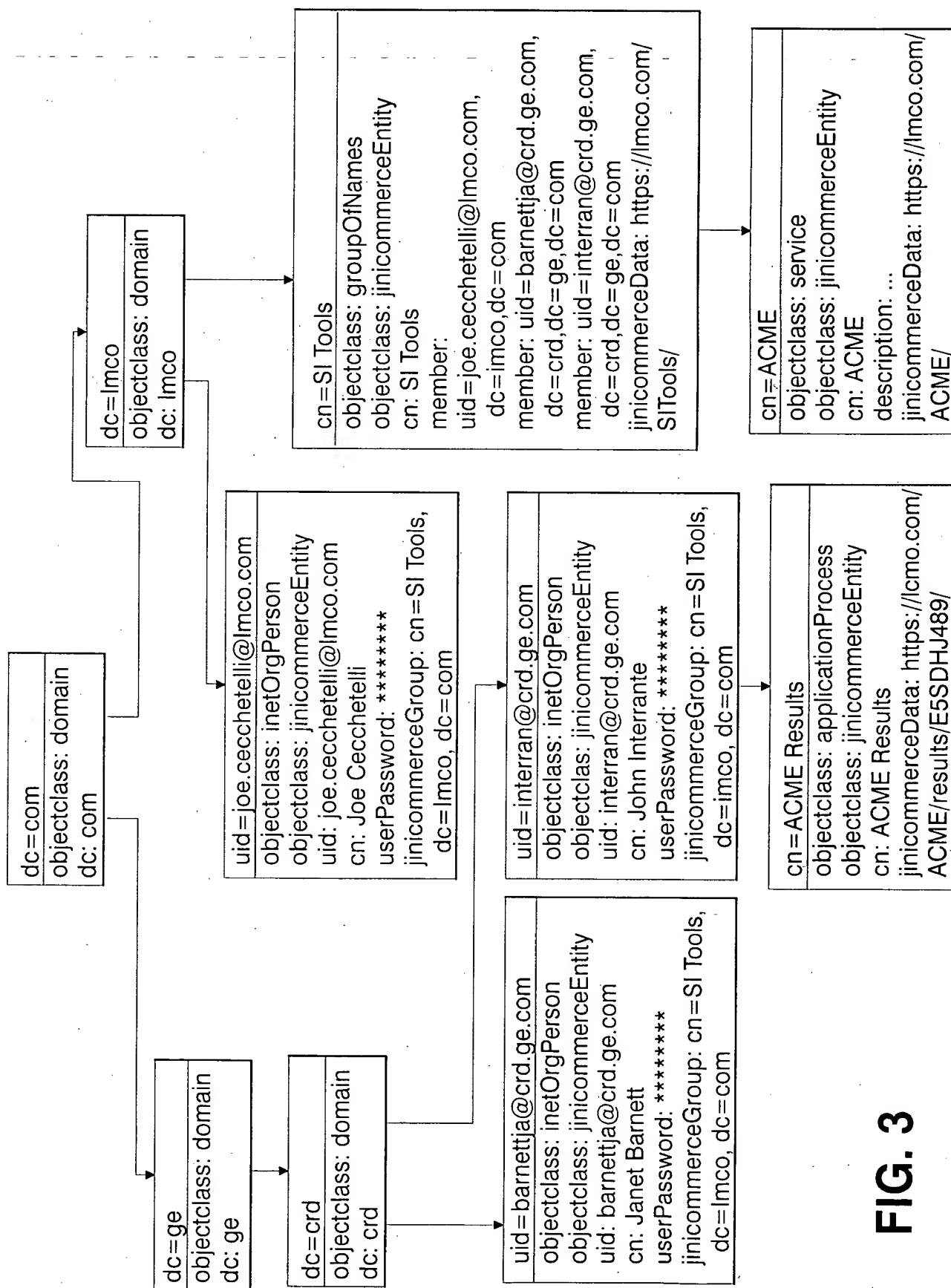
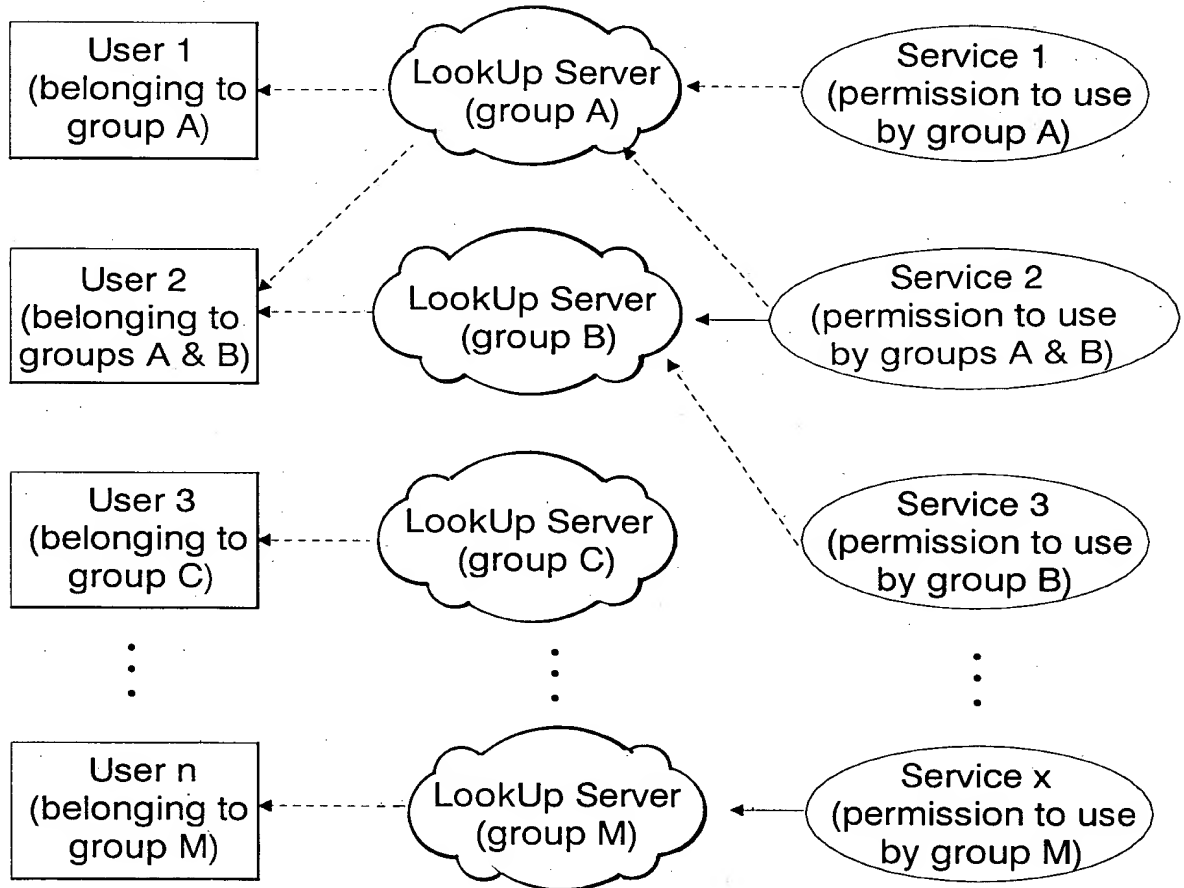


FIG. 3

Once a user has logged in (or in some way authenticated himself), the user will only have access to those services assigned to his group.

As services or applications are added to the system, they will be registered with the appropriate LookUp Server. Each service will have a group access permission associated with it.

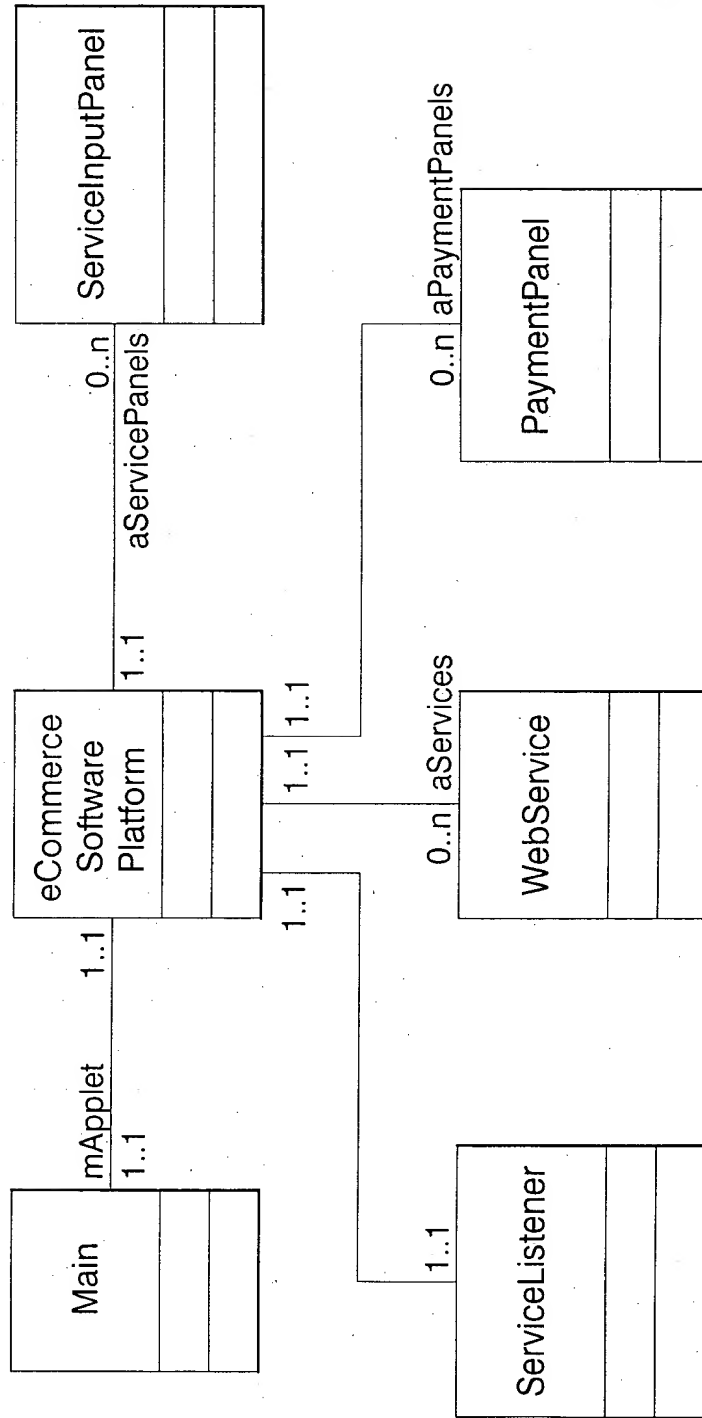


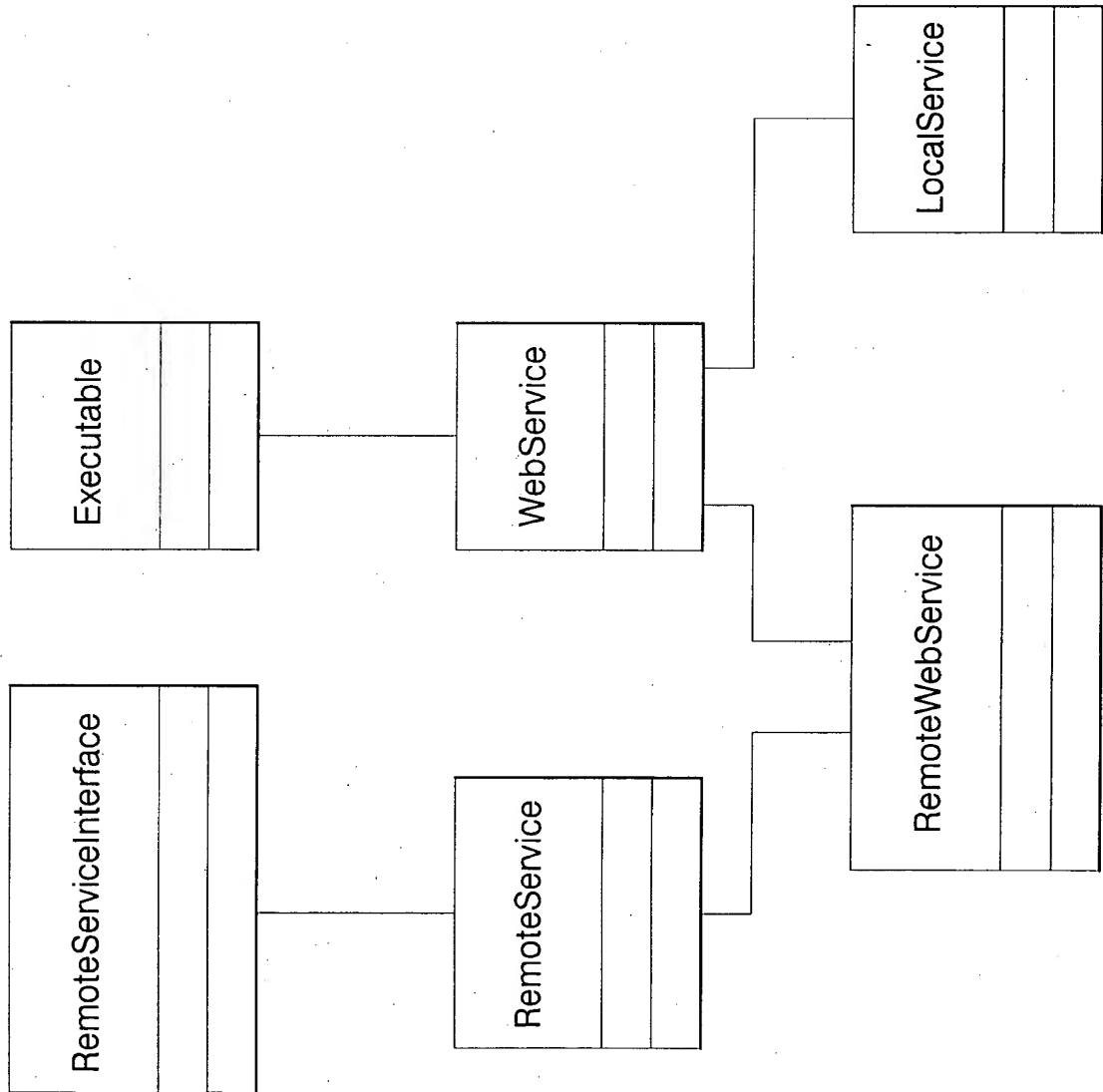
Each user will belong to one or more groups for access control purposes.

One LookUp Server will exist for each access control group. When a new group is created, an appropriate LookUp Server will be started.

Services represented here are user accessible services. Other system services (like payment, authentication, etc.) are restricted to use by only system level functions.

FIG. 4

Logical View**FIG. 5A**

Services**FIG. 5B**